

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

30-045-22274

5. LEASE DESIGNATION AND SERIAL NO.

NM-09717

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Florance

9. WELL NO.

37A

10. FIELD AND POOL OR WILDCAT

Blanco Mesa Verde

11. SEC., T., R., M., OR H.K. AND SURVEY OR AREA

Sec. 6, T30N, R8W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**1a. TYPE OF WORK**DRILL ☒DEEPEN ☐PLUG BACK ☐**b. TYPE OF WELL**OIL WELL ☐GAS WELL ☒

OTHER

SINGLE ZONE ☐MULTIPLE ZONE ☐**2. NAME OF OPERATOR**

Tenneco Oil Company

3. ADDRESS OF OPERATOR

1860 Lincoln St., Suite 1200, Denver, Colorado 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface 1780 'FSL and 1495' FEL, Unit J

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

See Point One of Surface Use Plan.

15. DISTANCE FROM PROPOSED*LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)**16. NO. OF ACRES IN LEASE**

320

17. NO. OF ACRES ASSIGNED TO THIS WELL

E/30 327.11

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

- 5240'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5952' GL

22. APPROX. DATE WORK WILL START*

4-22-77

23.**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	± 200'	Suff. to circulate to surface.
8-3/4"	7"	23#	± 3295'	Suff. to cement back to surface
6-1/8"	4-1/2"	10.5#	± 2995'-5240'	Suff. to cement back to 7" csq.

Plan to drill well as follows:

1. MIRURT, drill 12-1/4" hole to ± 200'.
2. Set and cement 9-5/8" casing to ± 200' & cement with suff. cement to circ. to surface.
3. Drill out with 8-3/4" bit to ± 3295'.
4. Run 7" casing and cement back to surface casing.
5. Drill out of 7" using gas as the circulating fluid, do not drill more than 10' below the 7" casing shoe until the hole has dried up completely and is dusting.
6. Drill the hole to T. D., log the hole dry as requested by drillsite geologist.
7. Run 4-1/2" liner to T. D., load hole with mud and cement liner back to top of 4-1/2" Set liner hanger and POH w/drill pipe.
8. This well will be completed through casing perforations and stimulated as necessary to establish commercial production.
9. Clean up area.
10. Approximately 8 days will be required to drill this well.
11. The gas has been dedicated to Southern Union Gathering Co.

Continued to Page 2

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

A. E. Brown

TITLE

Div. Drilling Engineer

DATE

11-4-76

(This space for Federal or State office use)

PERMIT NO.

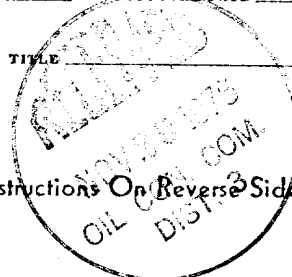
APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

Okal

TITLE

APPROVAL DATE



RECEIVED

DATE

NOV 24 1976

U. S. GEOLOGICAL SURVEY
FARMINGTON, N.M.

*See Instructions On Reverse Side

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

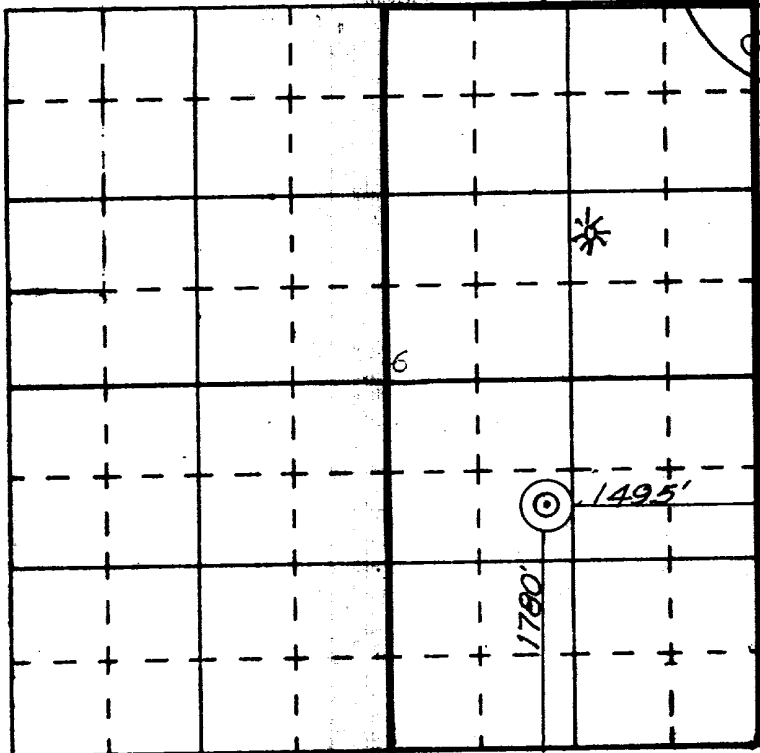
Operator TEHNECO OIL COMPANY			Lease FLORANCE		Well No. 37-A
Unit Letter J	Section 6	Township 30 NORTH	Range 8 WEST	County SAN JUAN	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 1780 feet from the SOUTH line and 1495 feet from the EAST line </div>					
Ground Level Elev. 5952	Producing Formation Blanco Mesa Verde	Pool Blanco Mesa Verde	Dedicated Average E/320.48 327.11 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

() Yes () No If answer is "yes," type of consolidation One Lease.

If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.



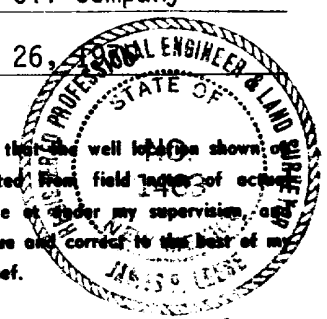
RECEIVED
NOV 29 1976
OIL CON. COM.
DIST. 3

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name Ted Z. Drake
 Position Production Clerk
 Company Tenneco Oil Company
 Date October 26, 1976

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.



Date Surveyed 14 October 1976
James P. Lease
 Registered Professional Engineer
 and/or Land Surveyor **James P. Lease**

1463

Certificate No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

(PAGE 2) for Florance 37A

12. SURFACE FORMATION IS San Jose (EOCENE)

13. FORMATION TOPS (Estimated)

Pictured Cliffs	+ 2795	possible oil or gas producer
Cliff House	+ 4555	possible oil or gas producer
Menefee	+ 4675	possible oil or gas producer
Point Lookout	+ 5015	possible oil or gas producer
Mancos Shale	- 5120	

14. Mud program : see point 7 of 7 point well control plan

15. No coring or drill stem tests will be taken

16. Logs to be taken= Density
Gamma Ray
Caliper and temperature logs
Deviation surveys will also be taken

BLM SEEDING REQUIREMENTS
IN THE FARMINGTON RESOURCE AREA

1. SEED MIXTURE 1

2. TIME:

All seeding will take place between July 1 and September 15.

3. EQUIPMENT:

Seeding will be done with a disc-type drill with two boxes for various seed sizes. The drill rows will be eight to ten inches apart. The seed will be planted not less than one-half inch deep or more than one inch deep. The seeder will be followed with a drag, packer, or roller to insure uniform coverage of the seed, and adequate compaction. Drilling will be done on the contour where possible, not up and down the slope. Where slopes are too steep for contour drilling, a "cyclone" hand seeder or similar broadcast seeder will be used. Seed will then be covered to the depth described above by whatever means is practical.

4. SPECIES TO BE PLANTED IN POUNDS PURE-LIVE-SEED PER ACRE:

CRESTED WHEATGRASS (Agropyron desertorum) - $2\frac{1}{2}$ lbs.

SMOOTH BROME (Bromus inermis) - $2\frac{1}{2}$ lbs.

FOURWING SALTBUSH (dewinged) (Atriplex canescens) - $\frac{1}{2}$ lb.

NOMAD ALFALFA (Medicago sitiva) - 1 lb.

BLM COLOR REQUIREMENTS
IN THE FARMINGTON RESOURCE AREA

1. All equipment shall be painted green to match the surrounding area.

1

SURFACE USE PLAN

TENNECO OIL COMPANY'S
Florance 37A, SE 1/4 of Sec. 6, T30N, R8W
Lease # NM 09717, San Juan County, New Mexico

This plan is to accompany "Application for Permit to Drill" for the above mentioned well.

The following is a discussion of pertinent information concerning possible effect which the proposed drilling of the well may have on the environment of the well and road sites and surrounding acreage. A copy will be posted on the derrick floor so that all contractors and subcontractors will be aware of all items of this plan.

1. AREAL ROAD MAP - Exhibit "A" is a portion of a USGS topographic map, San Juan County, New Mexico, showing existing black top roads. Approximately 14 miles east of Aztec, N. M. on Highway 173, turn north 4 miles on the shortcut to 544. Turn left off of Pump Canyon Road just before it starts to go up onto Manzanarres Mesa. Follow road around to Pritchard # 2, location is just Southwest of there.
2. LOCATION OF EXISTING WELLS - Several MV, Dak., and P.C. have been drilled in a two mile radius and are shown on Exhibit "B".
3. PROPOSED WELL MAT AND IMMEDIATE AREA - Refer to Exhibit "C" for direction orientation and road access.
 - a. Mat size - 130' x 300'
 - b. Surface - Will be native soil, bladed, watered and capped with clay only when necessary.
 - c. Reserve pit - 150' x 150' unlined pit, joining mat to the West.
 - d. Cut & Fill - 2'-3'
 - e. Drill Site Layout - Exhibit "C" shows position of mat, reserve pits, burn pits, trash pits, and mud pits in relation to the well bore. Rig will be erected with the V-Door to the North.
 - f. Setting & Environment -
 - (1) Terrain - See Exhibit "A", topographic map of area.
 - (2) Soil - Extremely sandy soil
 - (3) Vegetation - Sparse grass, predominately sagebrush. Location has been chained.
 - (4) Surface Use - Unknown, possibly used for grazing.

- (5) Other - Drill site, which is in the lower part of a canyon, is in a low environmental risk area. The effect of drilling this well and other wells in the area would be minimal.

g. Distances to:

- (1) Ponds and Streams - There are no surface waters within 1/2 mile.
- (2) Water Wells - No water well or windmill could be seen within 1/2 mile.
- (3) Residences and Buildings - There are no houses or buildings within 1/2 mile.
- (4) Arroyos, Canyons, etc. - See Exhibit "A". An arroyo circles location except on the North side.

h. Well Sign - Sign identifying and locating well will be maintained at drill site with the spudding of the well.

i. Open Pits - All pits containing mud or other liquids will be fenced.

4. ROADS

- a. Existing roads - All existing roads within one mile of the location are shown on Exhibit "A" and Exhibit "D".
- b. Planned roads - Plan to construct NO' of new 14 foot wide road.
- c. Fences, Gates and Cattleguards - None

5. TANK BATTERY - This is expected to be a dry gas well, therefore, a tank battery will not be required.

6. LEASE PIPELINES

- a. Existing - Not furnished by the Operator, to be connected by Southern Union Gathering Co.
- b. Planned - If production is encountered, all lease lines are to be constructed on a well mat.

7. WASTE DISPOSAL - Well cuttings will be disposed in reserve pit. Barrel trash containers to be in accessible locations within drill site area during drilling and completion procedures. All detrimental waste will be hauled away, burned or buried with a minimum cover of 24" dirt. See Exhibit "C" for location of pits. If well is productive, maintenance waste will be placed in special trash cans and hauled away periodically. No produced water is anticipated.

8. WATER SUPPLY - Supply water will be hauled from the San Juan River or nearest wash.
9. ARCHAEOLOGICAL RESOURCES - Report has been furnished by Pat Zarnowski from Salamon Ruins, Bloomfield, New Mexico.
10. RESTORATION OF SURFACE - If well is productive, pits will be backfilled and leveled as soon as practical to original condition.
11. OPERATOR'S REPRESENTATIVE - Field personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

Production & Drilling

Darrell Brown
1860 Lincoln St., Suite 1200
Denver, Colorado 80203

Office Phone: (303) 292-9920 Ext. 254
Home Phone: (303) 771-8297

12. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions as they actually exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the proposed work performed by Tenneco Oil Company and its contractors and sub-contractors will conform to this plan.

11-9-76
Date

D. E. Brown
D. E. Brown
Div. Drilling Engineer

EXHIBIT " A "

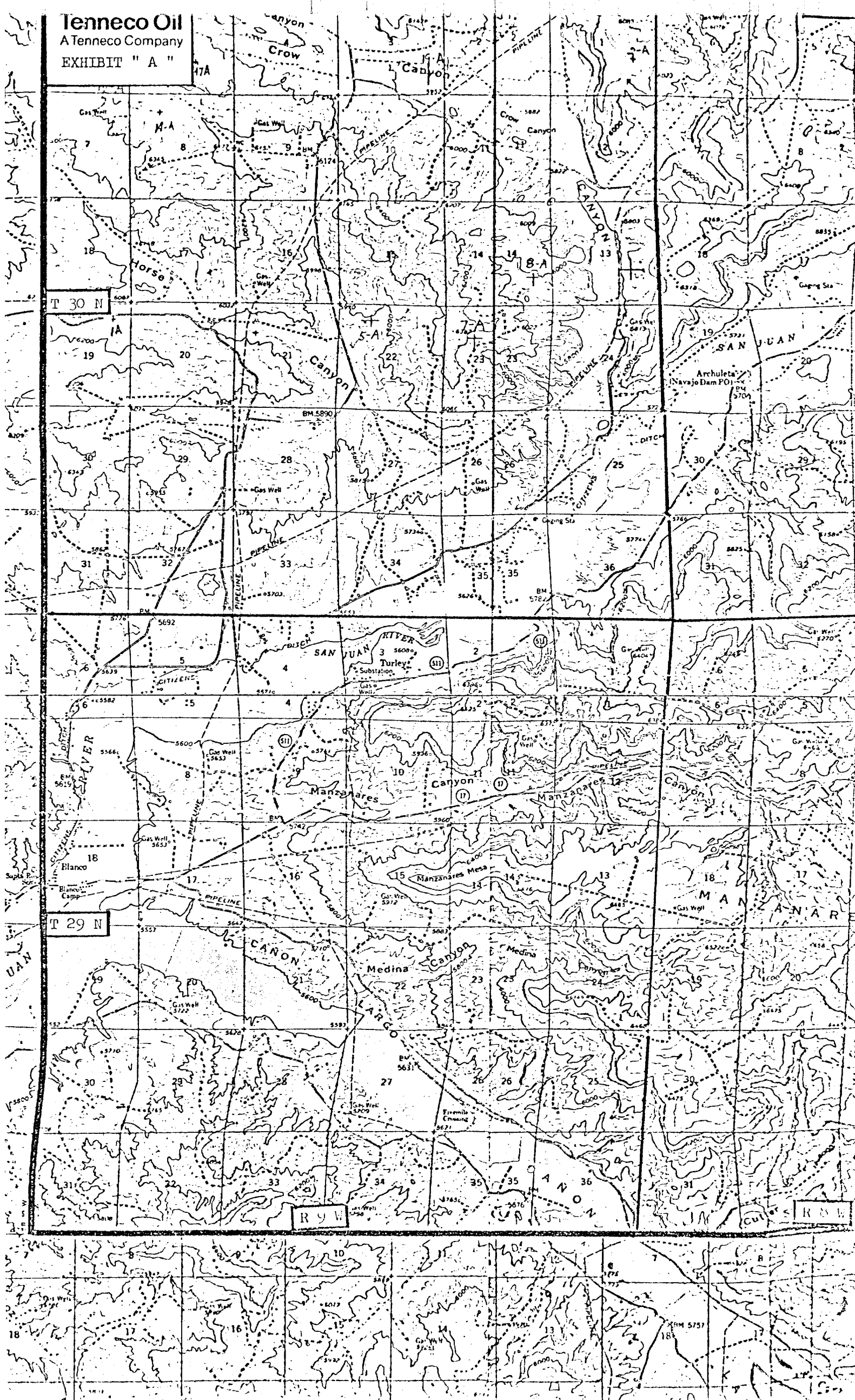
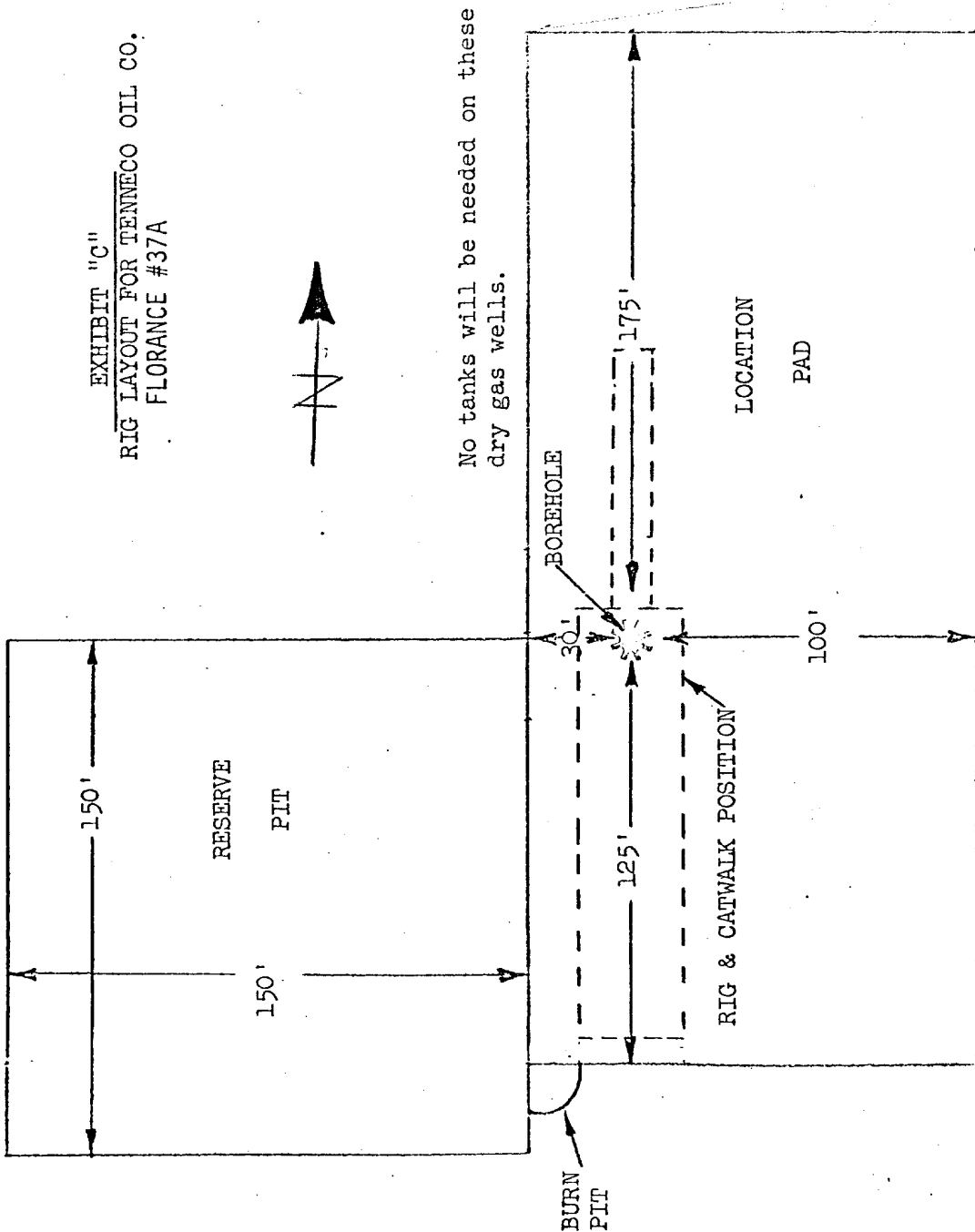
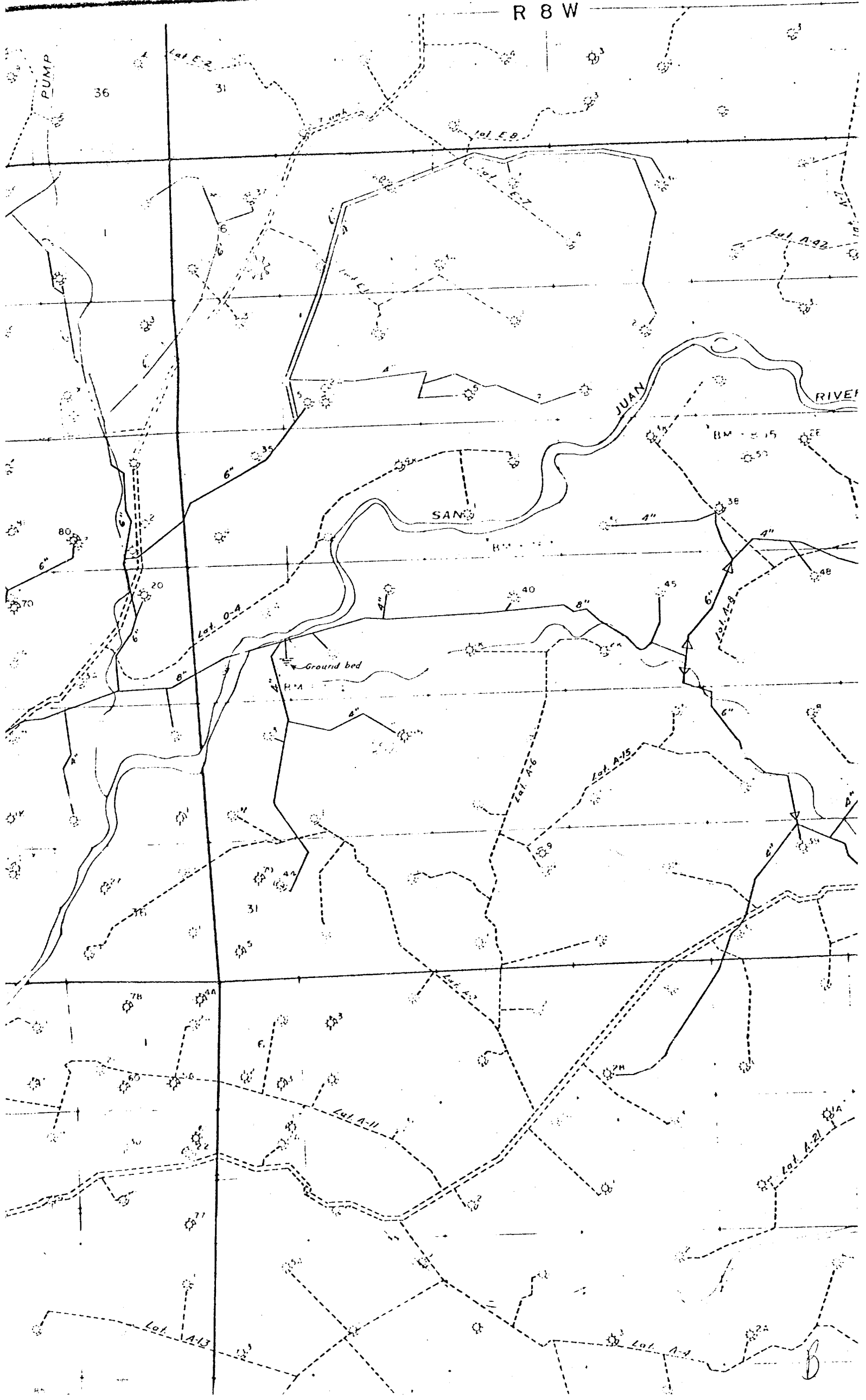


EXHIBIT "C"
RIG LAYOUT FOR TENNECO OIL CO.
FLORANCE #37A



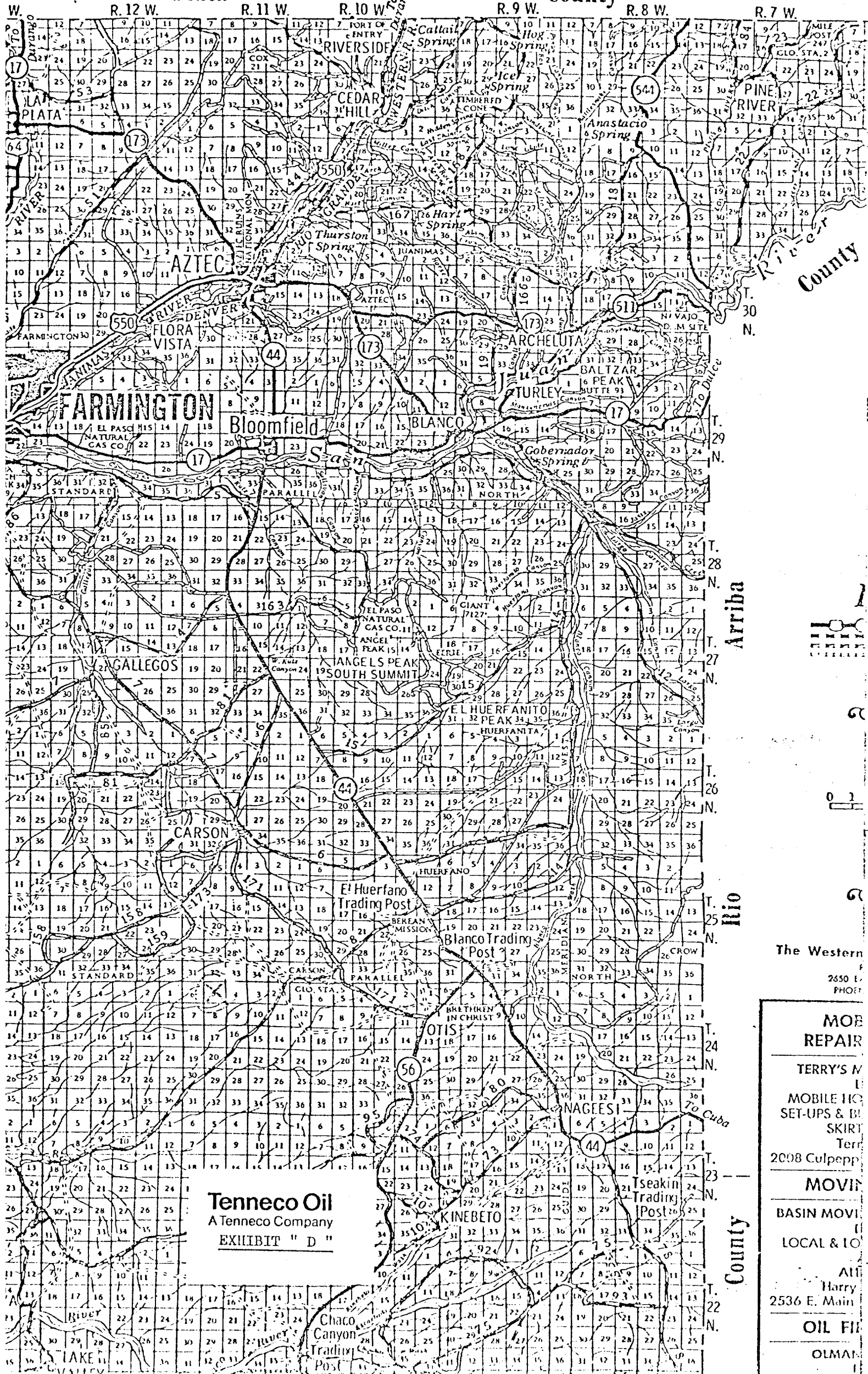
scale 1" = 50'

R 8 W



Plata

County



Tenneco Oil
A Tenneco Company
EXHIBIT " D "

The Western
2650 E.
PHOENIX

MOB
REPAIR

TERRY'S M
U
MOBILE HO
SET-UPS & B
SKIRT
Terr
2008 Culpepp

MOVIN

BASIN MOVI
LOCAL & IO

ALL
Harry
2536 E. Main

OIL FI

OLMAN